

0966504-083004

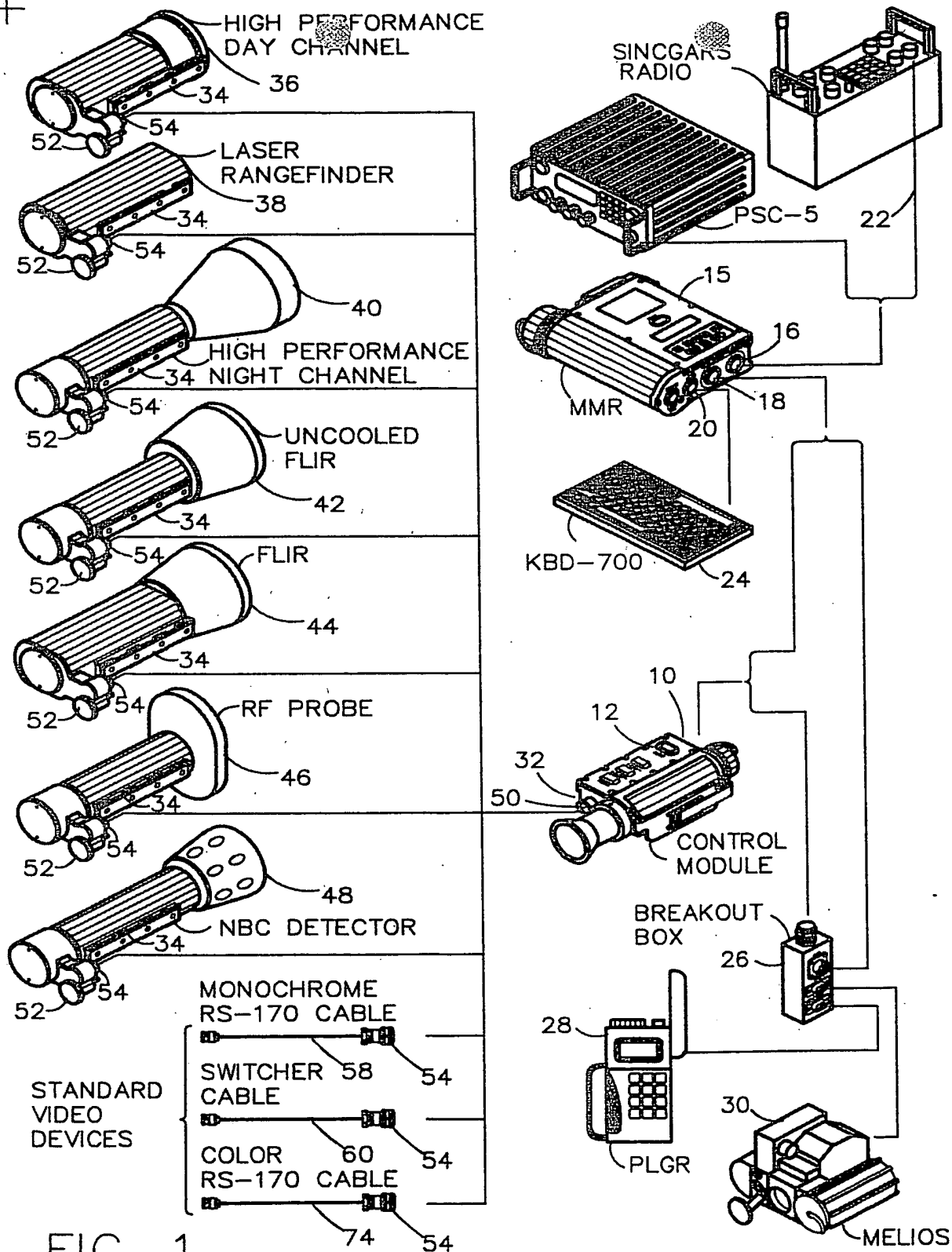
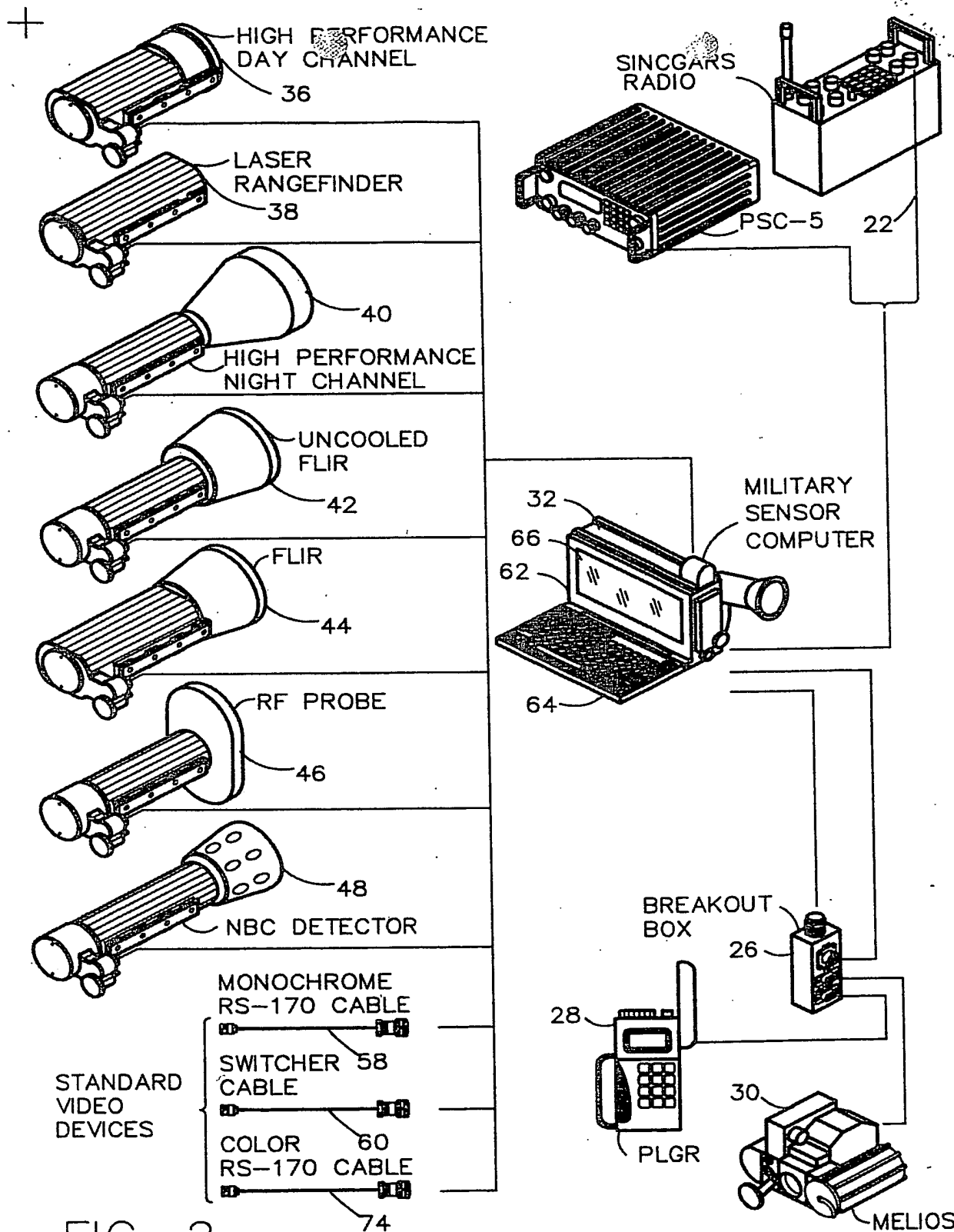


FIG. 1

FIG. 2



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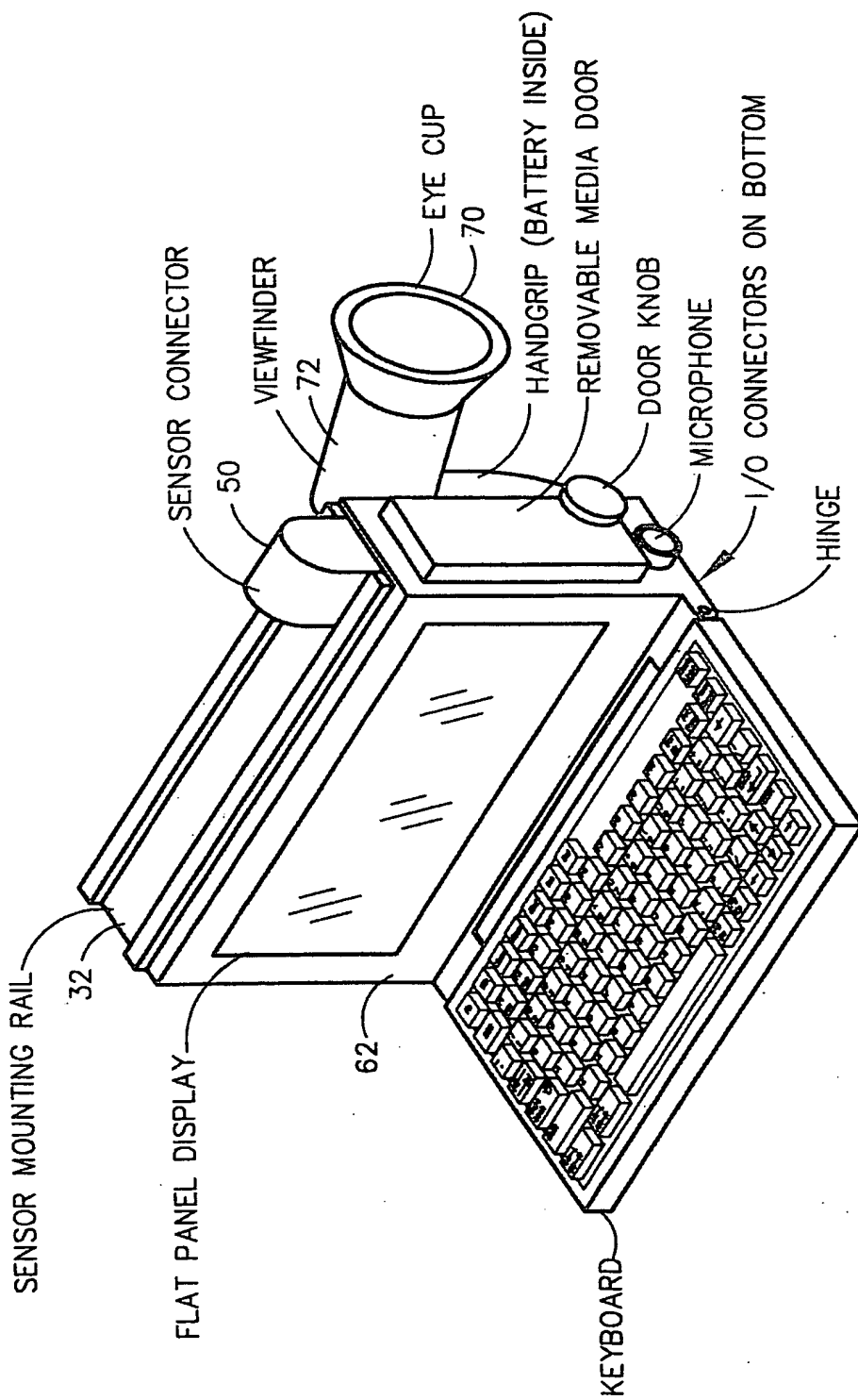


FIG. 3

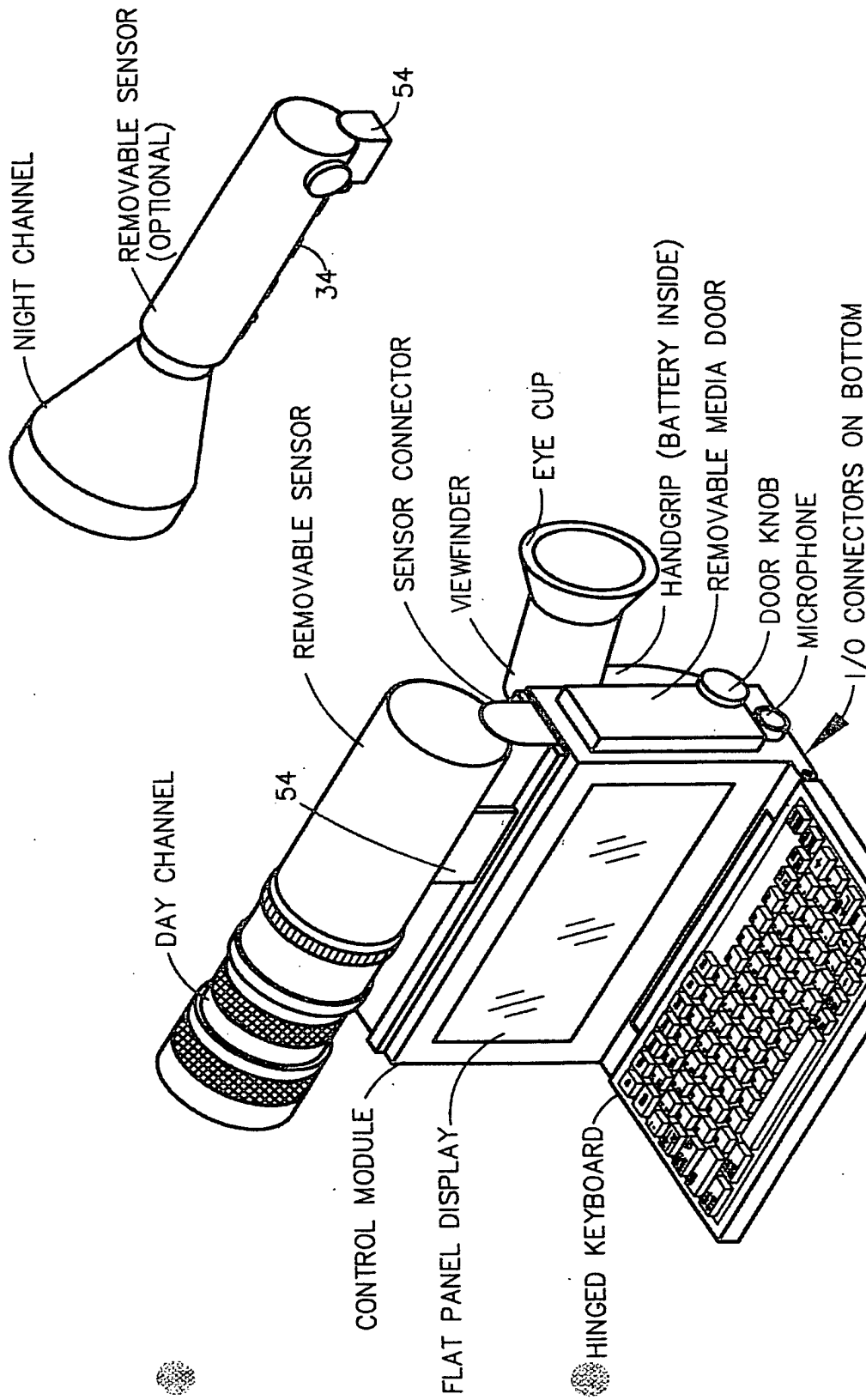


FIG. 4

The diagram illustrates a common module for a control processor. It features a central **CONTROL PROCESSOR** (86) connected to several key components:

- Sensors and Input Devices:** Includes a **REMOVABLE SENSOR DEVICE** (56) with **SENSOR VIDEO** (54), **SENSOR DATA** (52), **SENSOR CONTROL** (50), and **SENSOR POWER** (48) lines. Other sensors include an **IMAGE STABILIZATION SENSOR** (8), **MAGNETIC COMPASS** (10), **INCLINOMETER** (12), and a **GPS ANTENNA** (14). A **GPS RECEIVER** (94) with **DATA** and **CTRL** lines is also present.
- Processing and Storage:** The **CONTROL PROCESSOR** is linked to **REAL TIME IMAGE PROCESSING** (102), **FLASH RAM**, and **RAM**.
- Control and Interface:** Connected to a **USER DISPLAY CONTROLLER** (114) and a **USER INTERFACE KEYPAD** (116).
- Power and External Connections:** Includes a **POWER SUPPLY** (96) with **EXTERNAL POWER INPUT** (97) and a **COMMON BATTERY** (98). It also has a **TO ELECTRONICS** output.
- Output and Display:** Features an **EXTERNAL VIDEO OUTPUT** (100) and a **VIEWFINDER CONTROL ELECTRONICS** (104) block. The viewfinder includes a **LENS**, **DISPLAY**, and **BACKLIGHT**.
- Communication:** Includes a **COMMS PROCESSOR** (122) for **COMMS I/O**, a **CONTROL I/O** (120), and a **NETWORK I/F** (118) for **ETHERNET** connectivity.

The diagram is labeled **FIG. 5 COMMON MODULE: CONTROL PROCESSOR**.

FIG. 5

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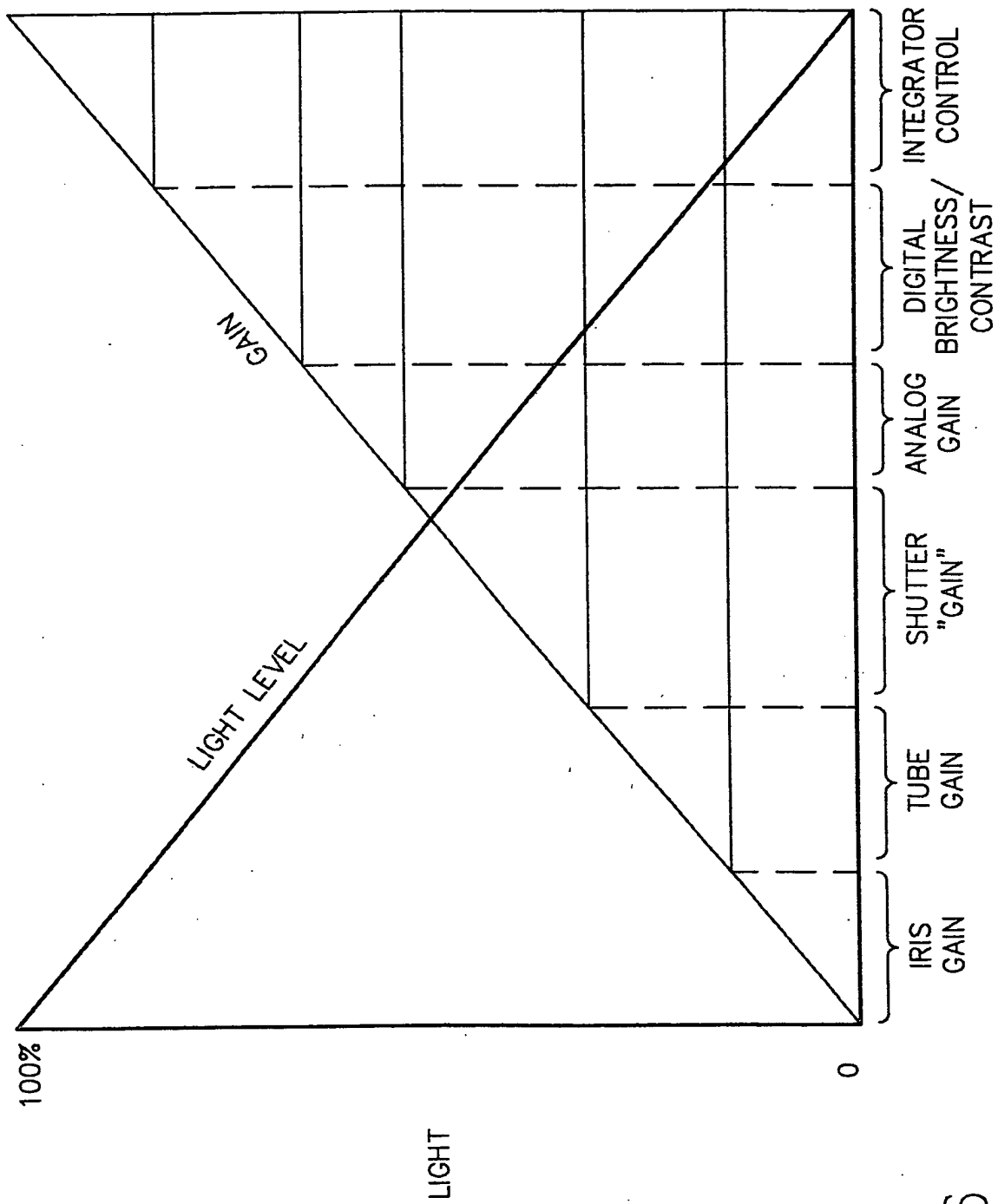


FIG. 6

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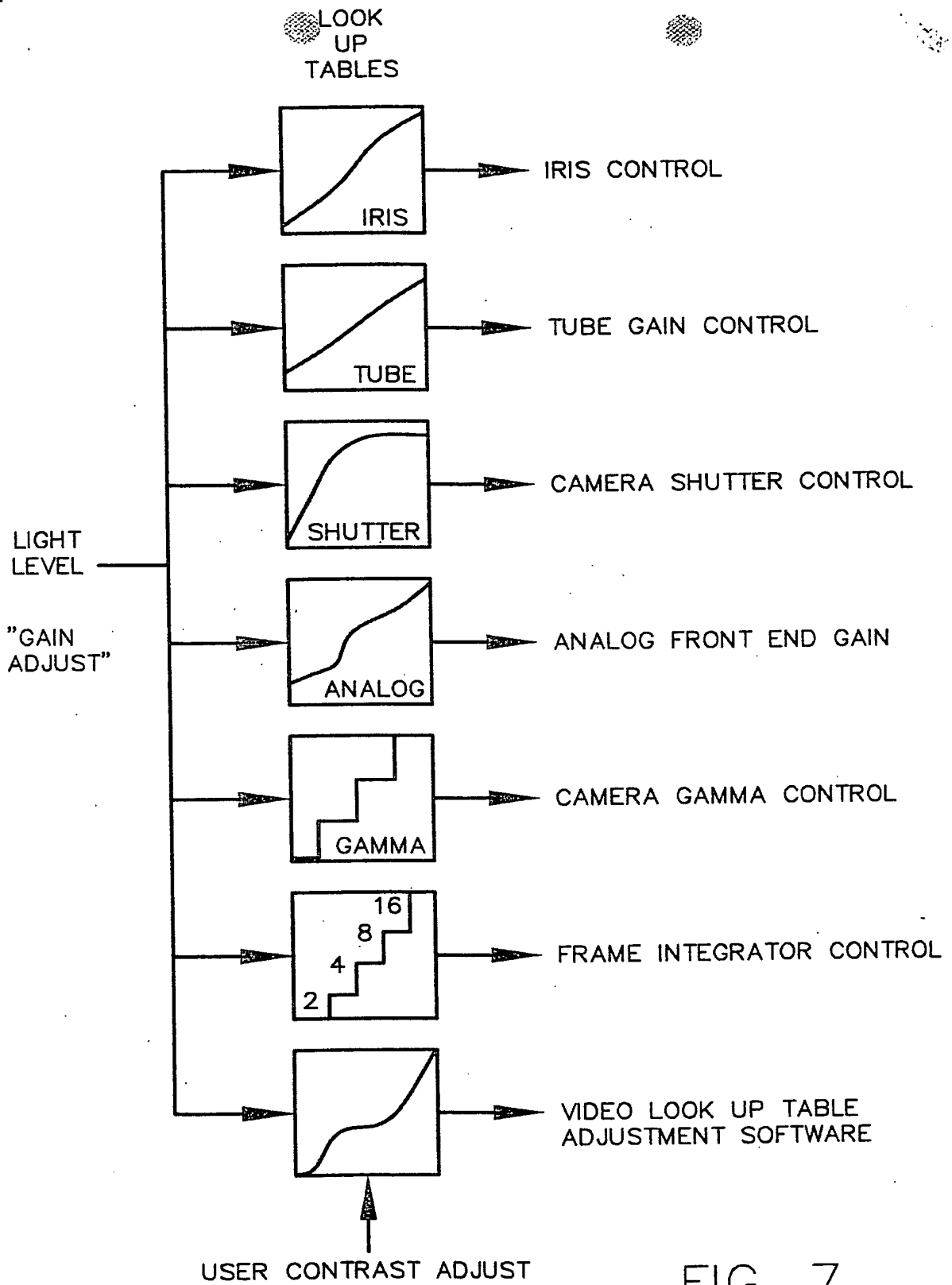


FIG. 7

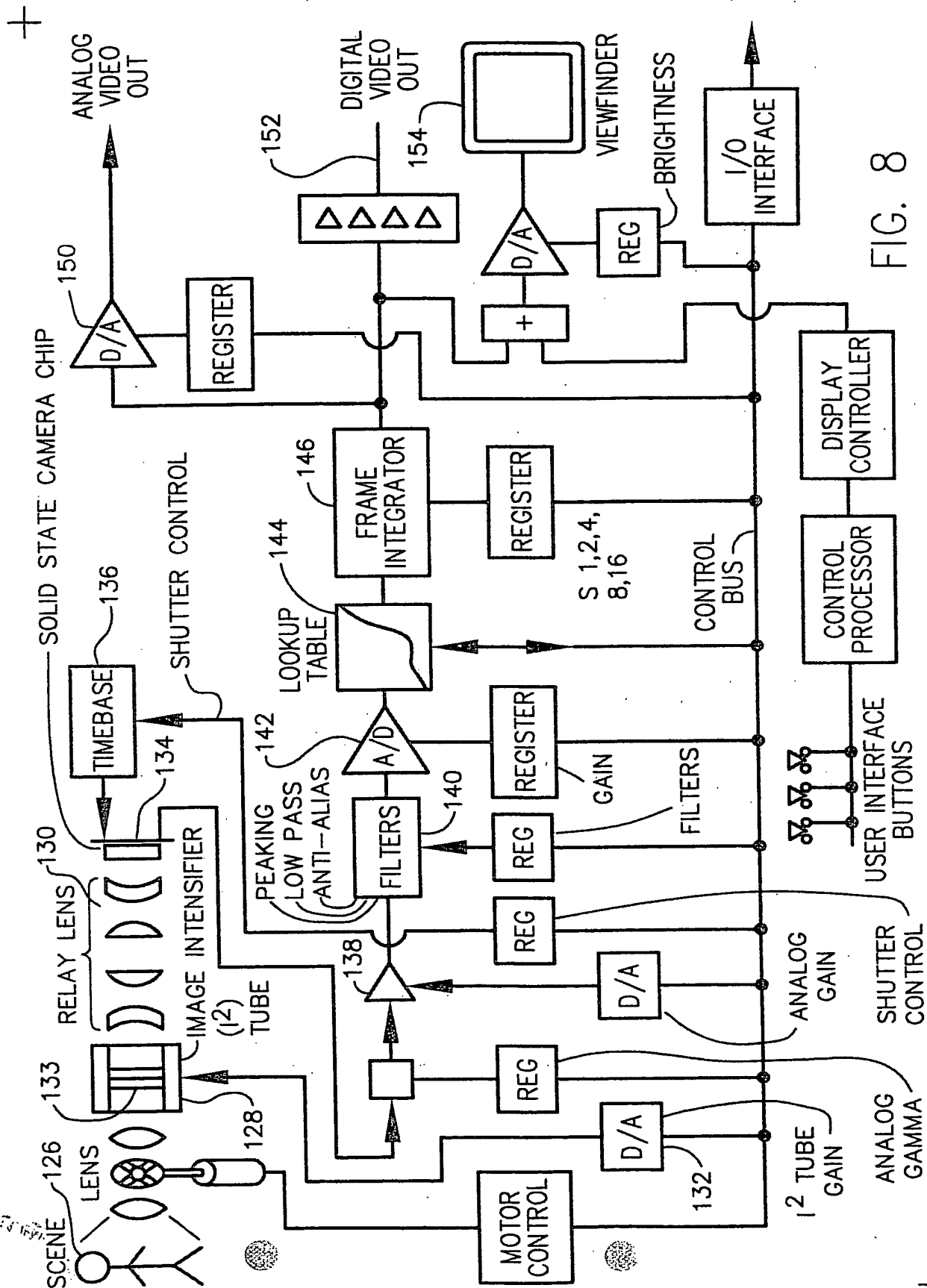


FIG. 8

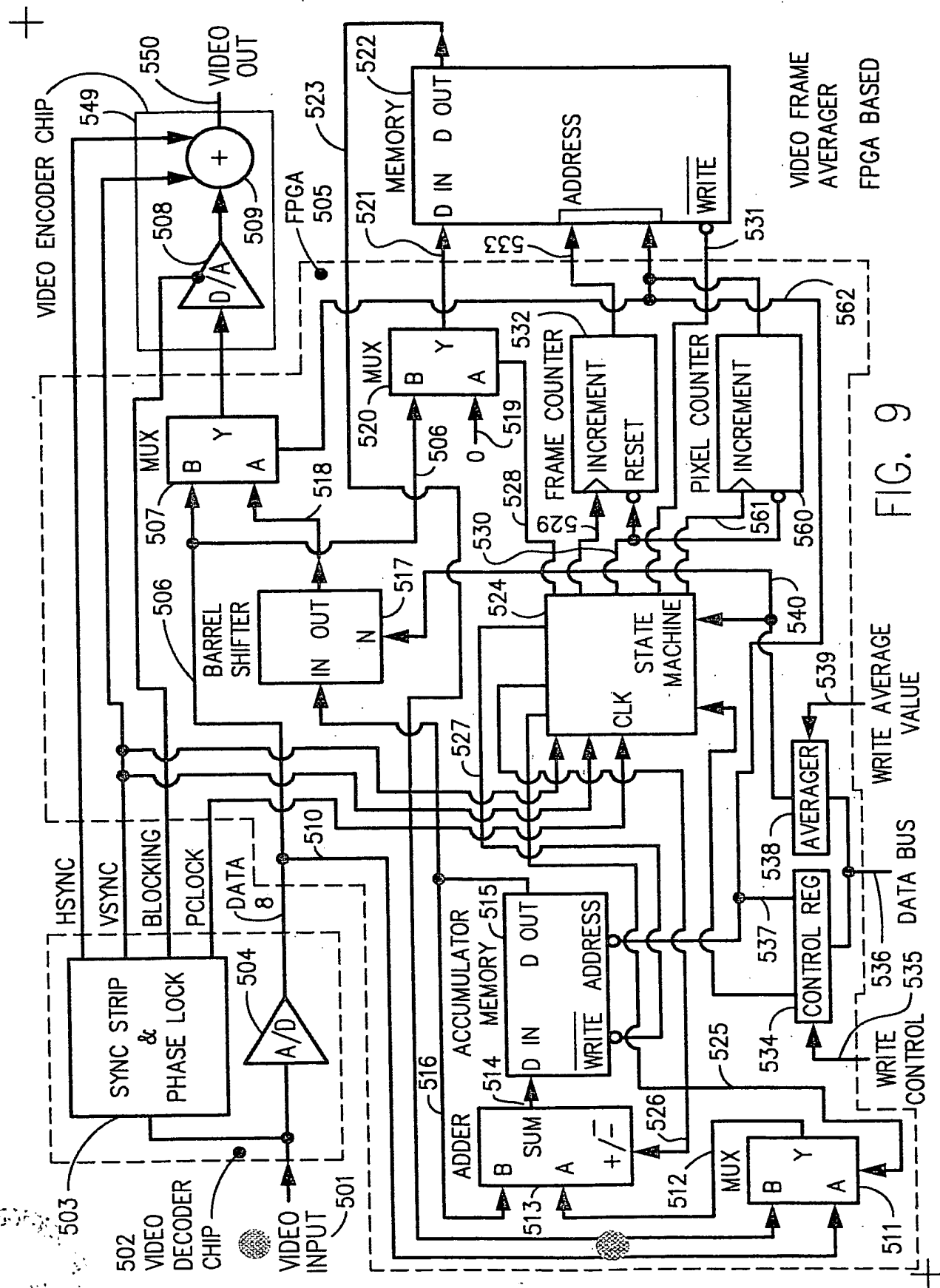


FIG. 10

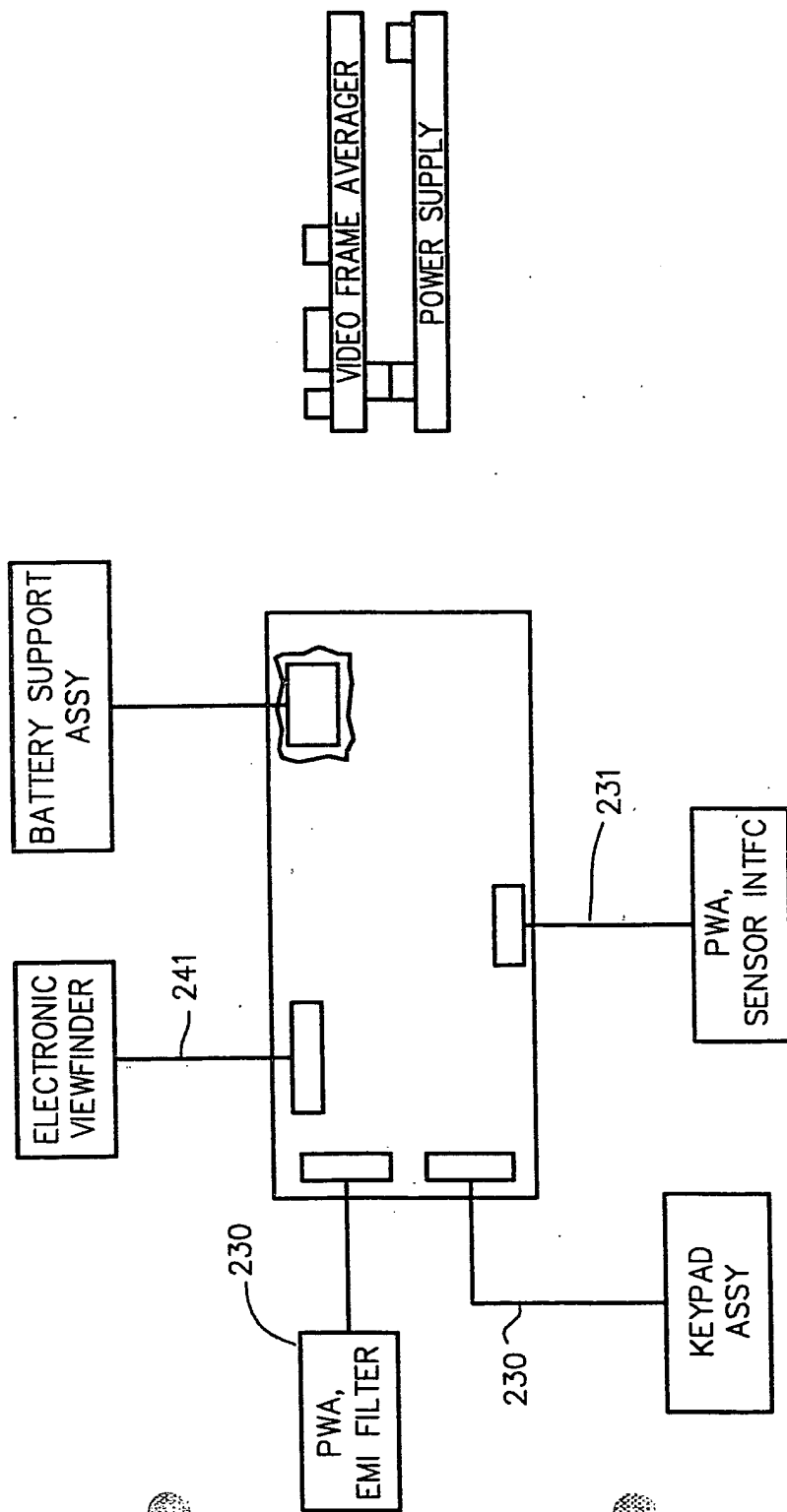
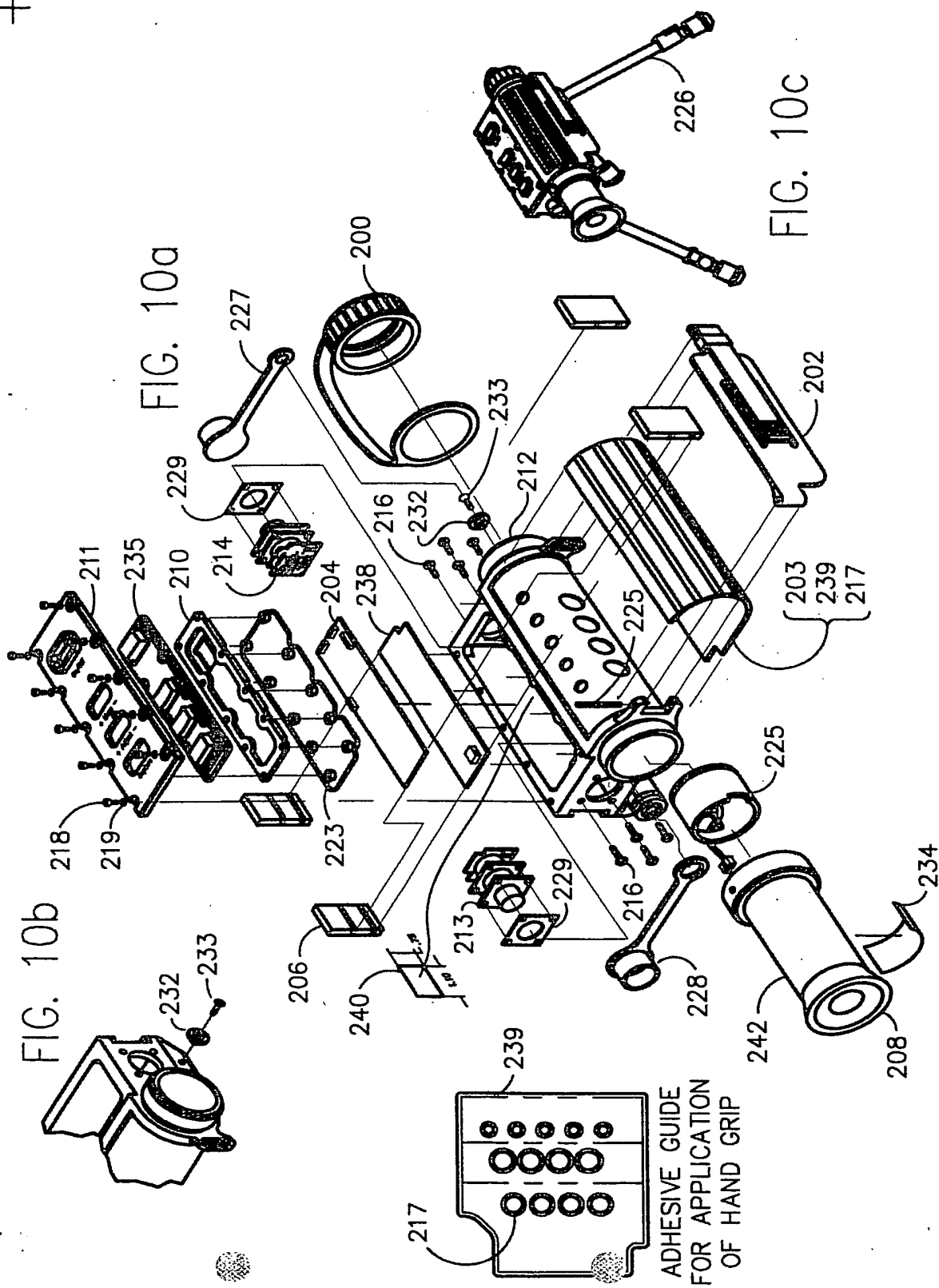


FIG. 10

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FIG. 10f

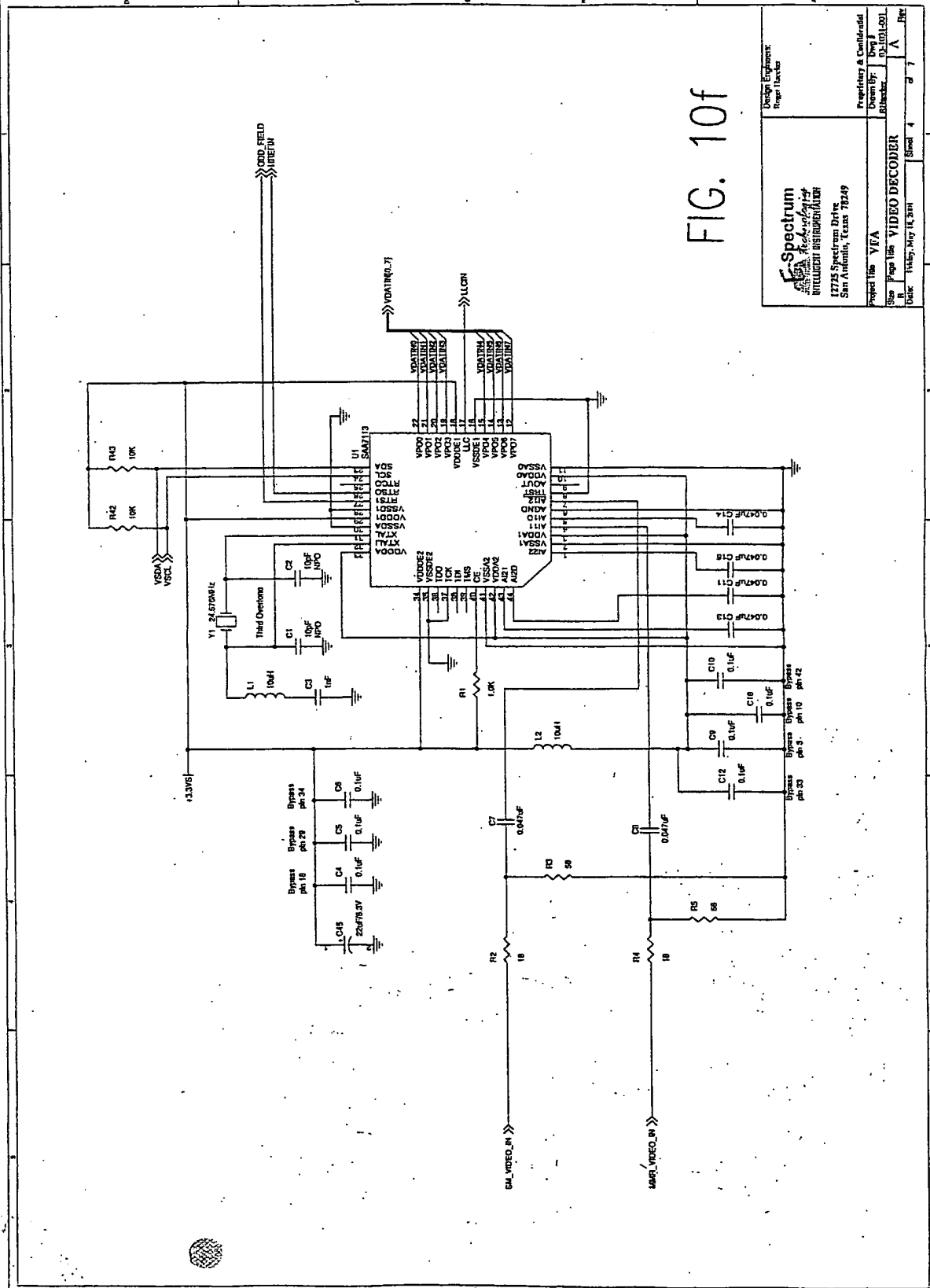
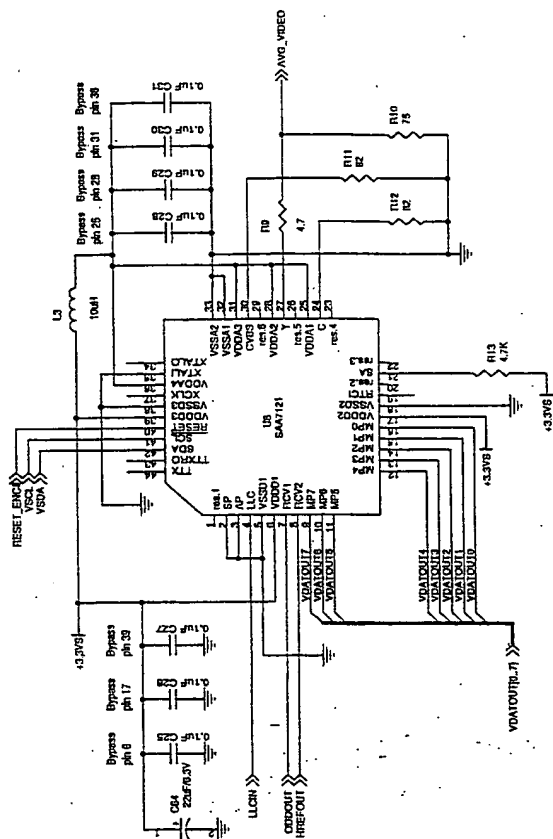



FIG. 10f

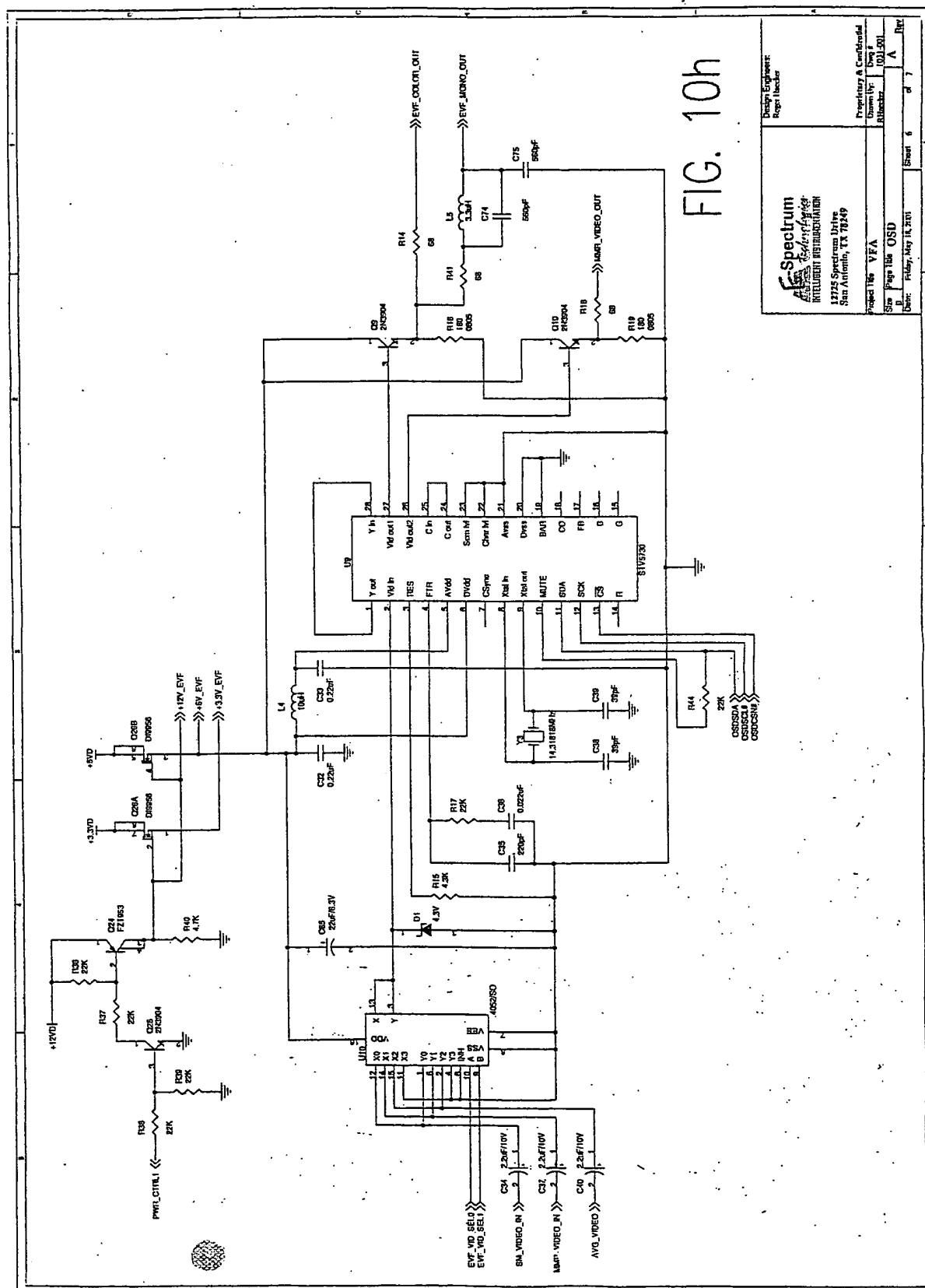
Spectrum Technology INTELLIGENT DISTRIBUTION		Design Engineer Roger Tucker
17735 Spectrum Drive San Antonio, Texas 78249		Proprietary & Confidential
Project No. YEA		Drawn By: [Signature]
Size Page 10 VIDEO DECODER		Checked: [Signature]
Date: 11/15/87, Aug 14, 1991		Sheet 4 of 7

FIG. 10g



 <p>K-Spectrum Advanced Technology INTELLIGENT INSTRUMENTATION</p>	<p>12724 Spectrum Drive San Antonio, Texas 78249</p>	<p>Project Name: VFA</p>	<p>Page No: VIDEO ENCODER</p>	<p>Sheet: 5</p>	<p>Date: Friday, May 14, 1981</p>	<p>Rev: 1</p>
<p>Working Engineer: Roger Haecher</p>	<p>Proprietary & Confidential</p>	<p>Drawn By: DP</p>	<p>Drawn: DP</p>	<p>Sheet: 5</p>	<p>Date: Friday, May 14, 1981</p>	<p>Rev: 1</p>

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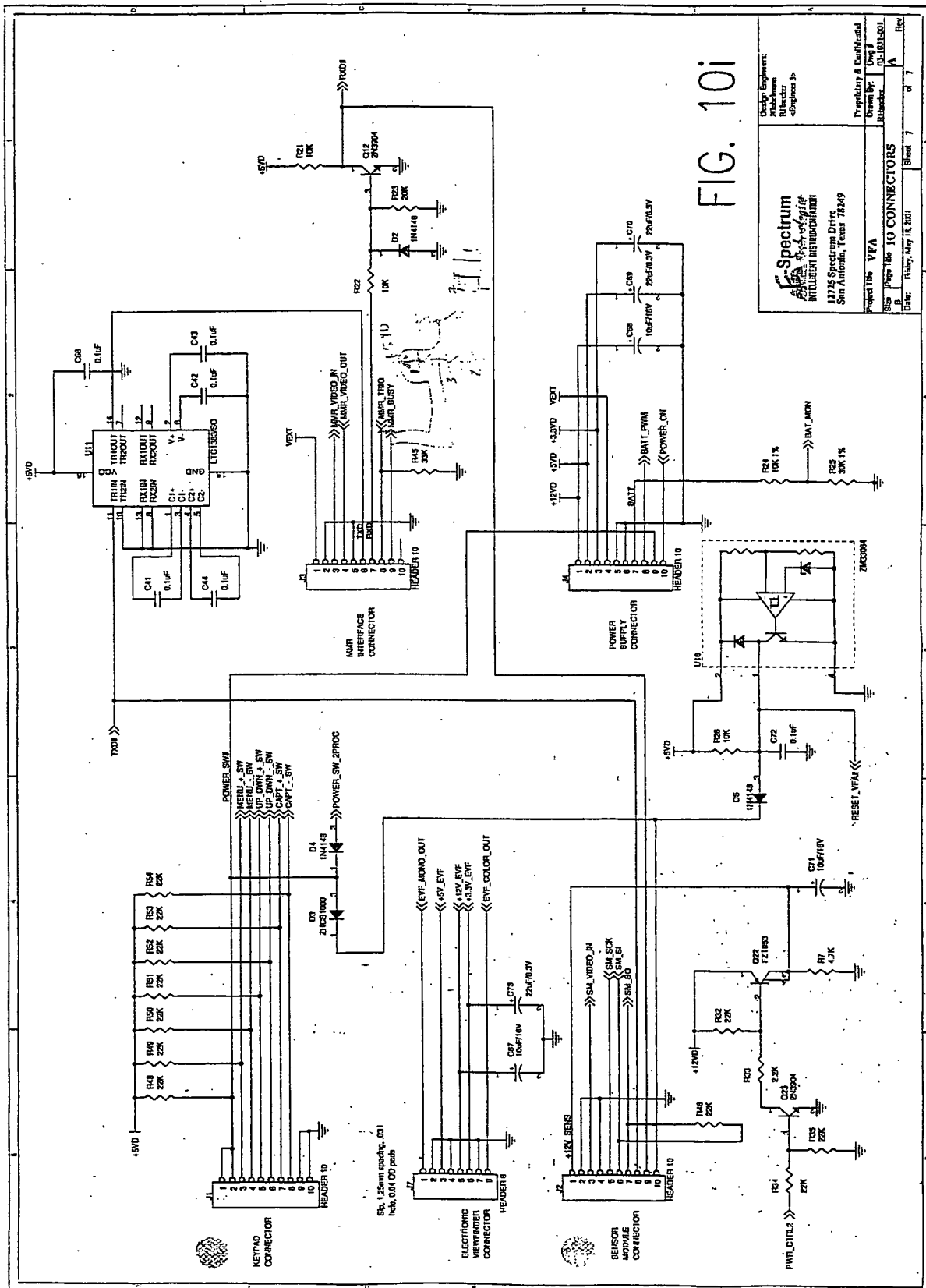
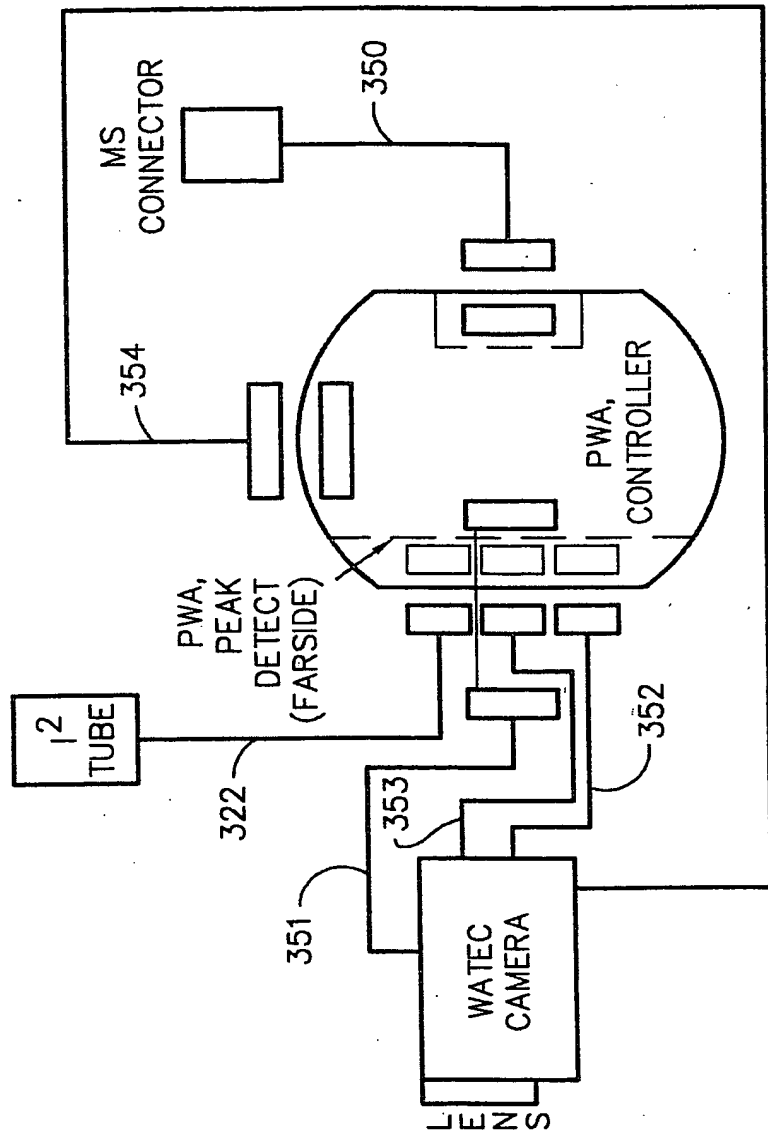


FIG. 10i

Spectrum 13725 Spectrum Drive San Antonio, Texas 78249		Design Engineer: J. R. Smith Designer: J. R. Smith	Preliminary & Confidential Drawn By: J. R. Smith Checked By: J. R. Smith
Project Title: VFA		Date: Friday, May 18, 1980	Sheet: 7 of 7

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CONNECTION DIAGRAM

FIG. 11

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FIG. 11a

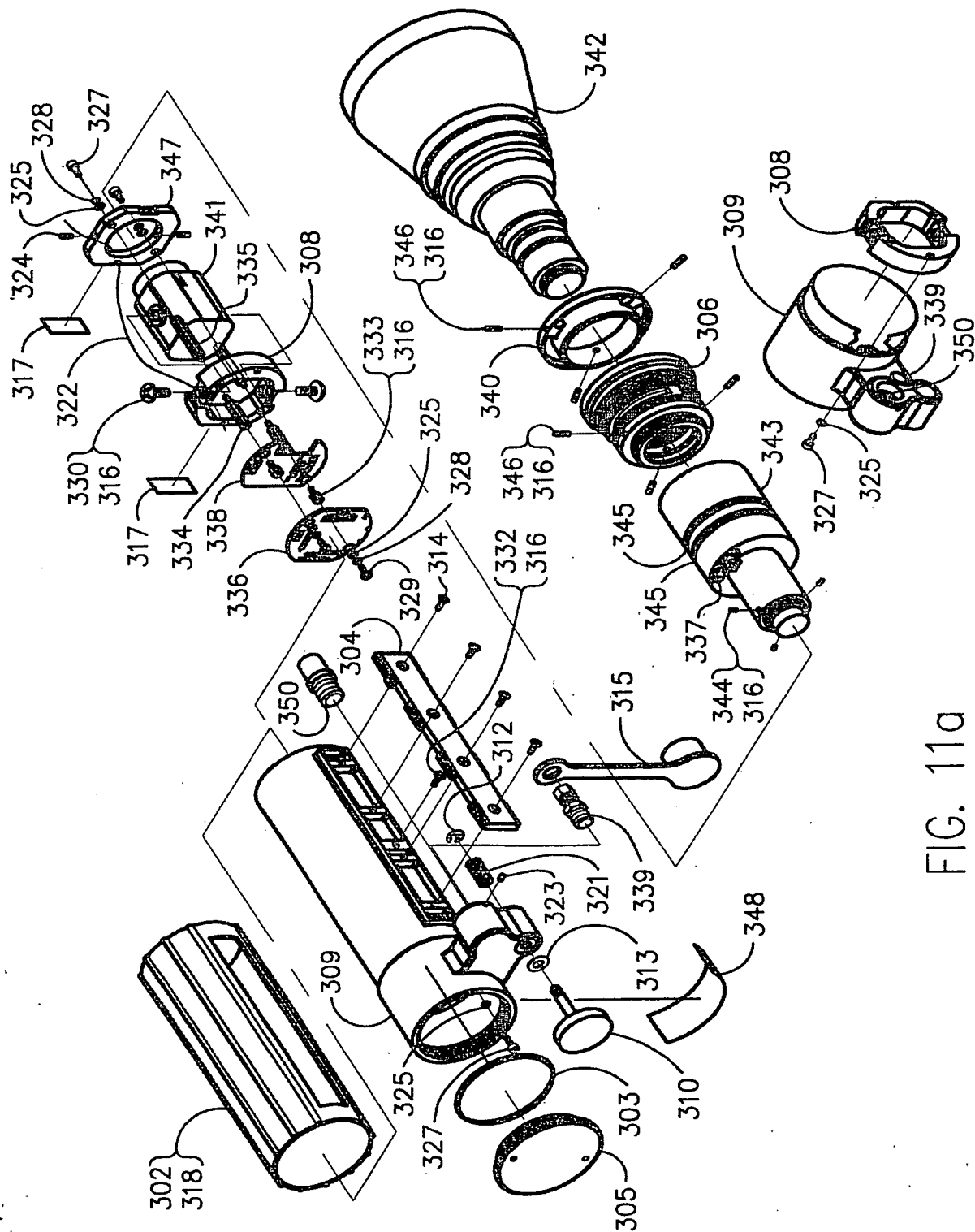


FIG. 11a

PHOTOLESS CORPORATION

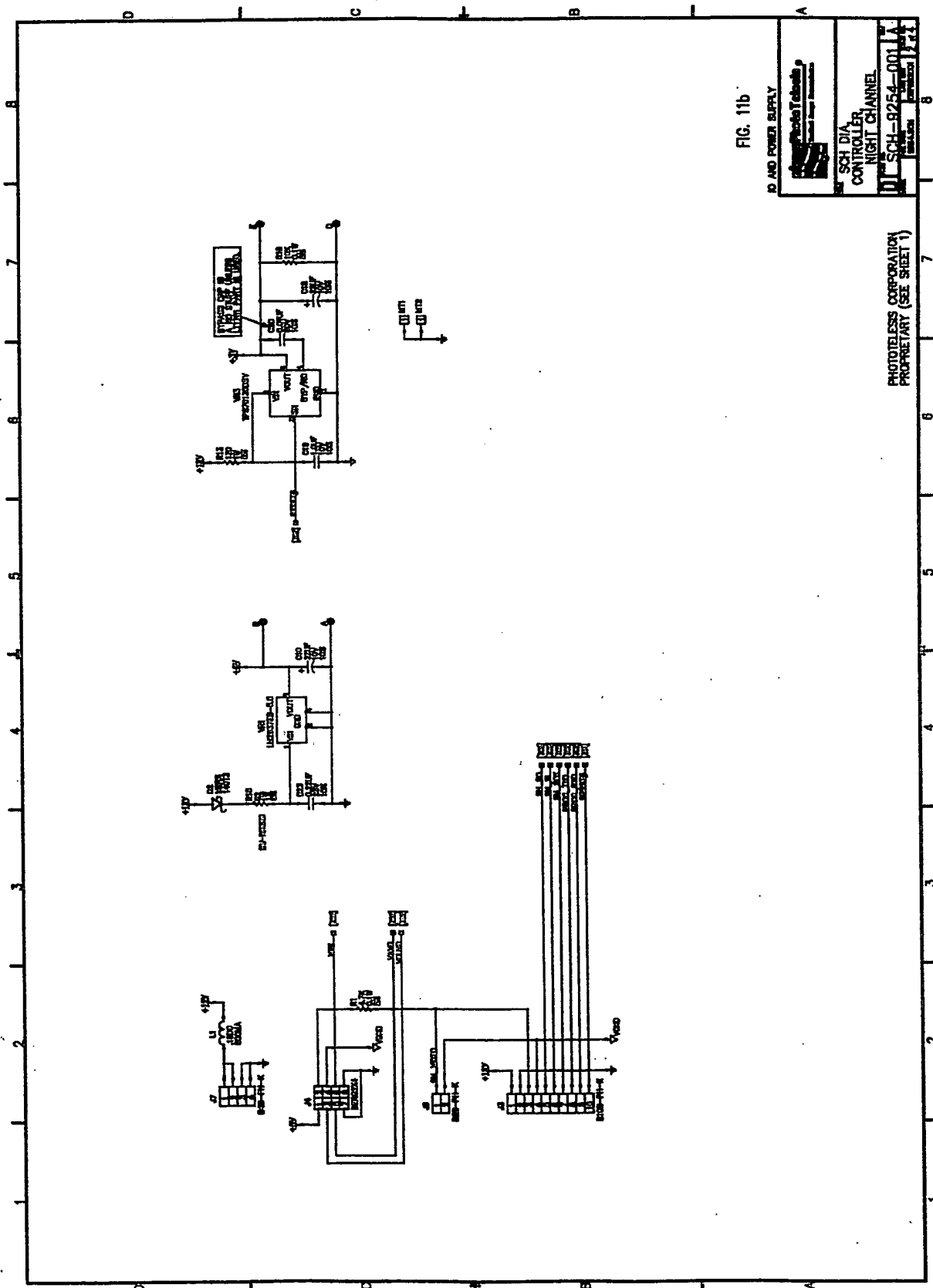


FIG. 11b

D AND POWER SUPPLY

SCH D1A
CONTROLLER
NIGHT CHANNEL

SCH-9254-001A

PHOTOLESS CORPORATION
PROPRIETARY (SEE SHEET 1)

FIG. 11c

HYDROCONTROLLER

SCH. DIA.
CONTROLLER
NIGHT CHANNEL

SCH. 9254-001

PHOTOELECTRIC CORPORATION
PROPRIETARY (SEE SHEET 1)

PROCESS CONTROLLER

Shaw-Walker Photo Technology
 10000 Highway 100, Suite 100
 Dallas, Texas 75243
 (214) 343-1111

**SCH DIA,
ONTROLLER,
NIGHT CHANNEL**

101 SCH-9254-001A

PHOTO TELESCOPE CORPORATION
 PROPRIETARY (SEE SHEET 1)

[Illegible handwritten notes]



Pratt & Whitney

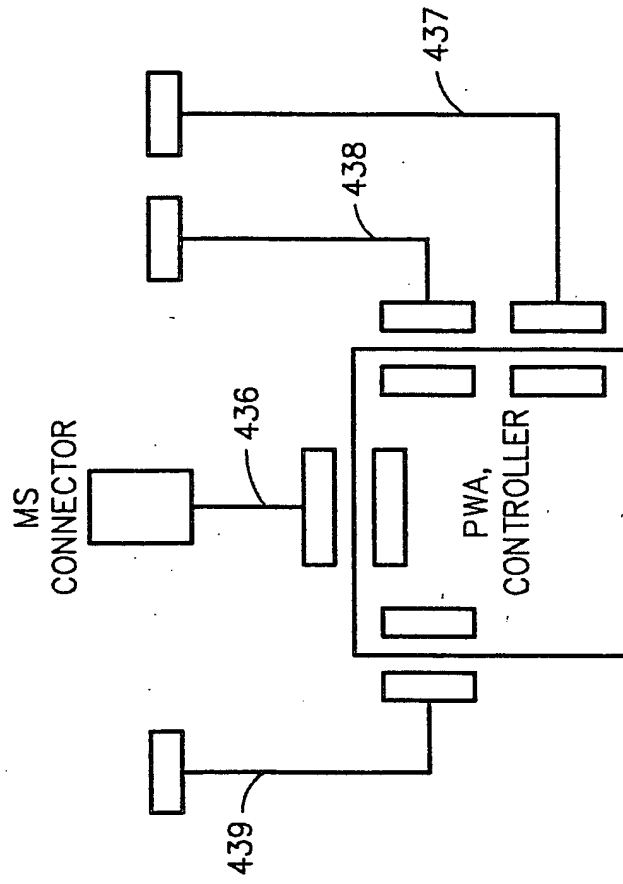
**SCH DIA,
CONTROLLER,
NIGHT CHANNEL.**

SCH-9254-001 A

PHOTOTELETYPE CORPORATION
 PROPRIETARY (SEE SHEET 1)

FOOEBB*40693969

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CONNECTION DIAGRAM

FIG. 12

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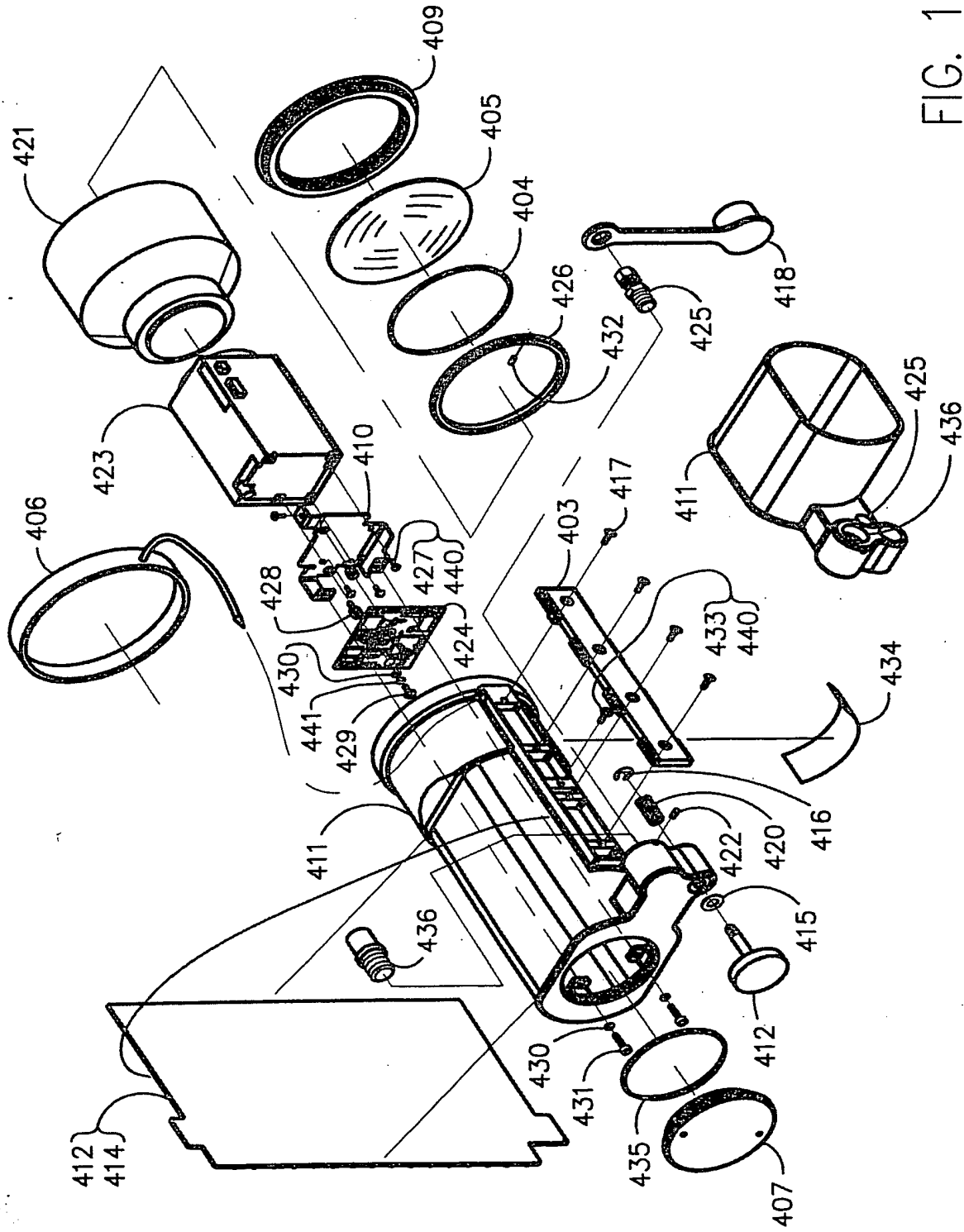


FIG. 12a

The American Society of Mechanical Engineers



VFA INTERFACE

**SCH DIA,
CONTROLLER,
DAY CHANNEL**

SCH-9253-001 LA

PHOTOTELETYPE CORPORATION
 PROPRIETARY (SEE SHEET 1)

FIG. 12c

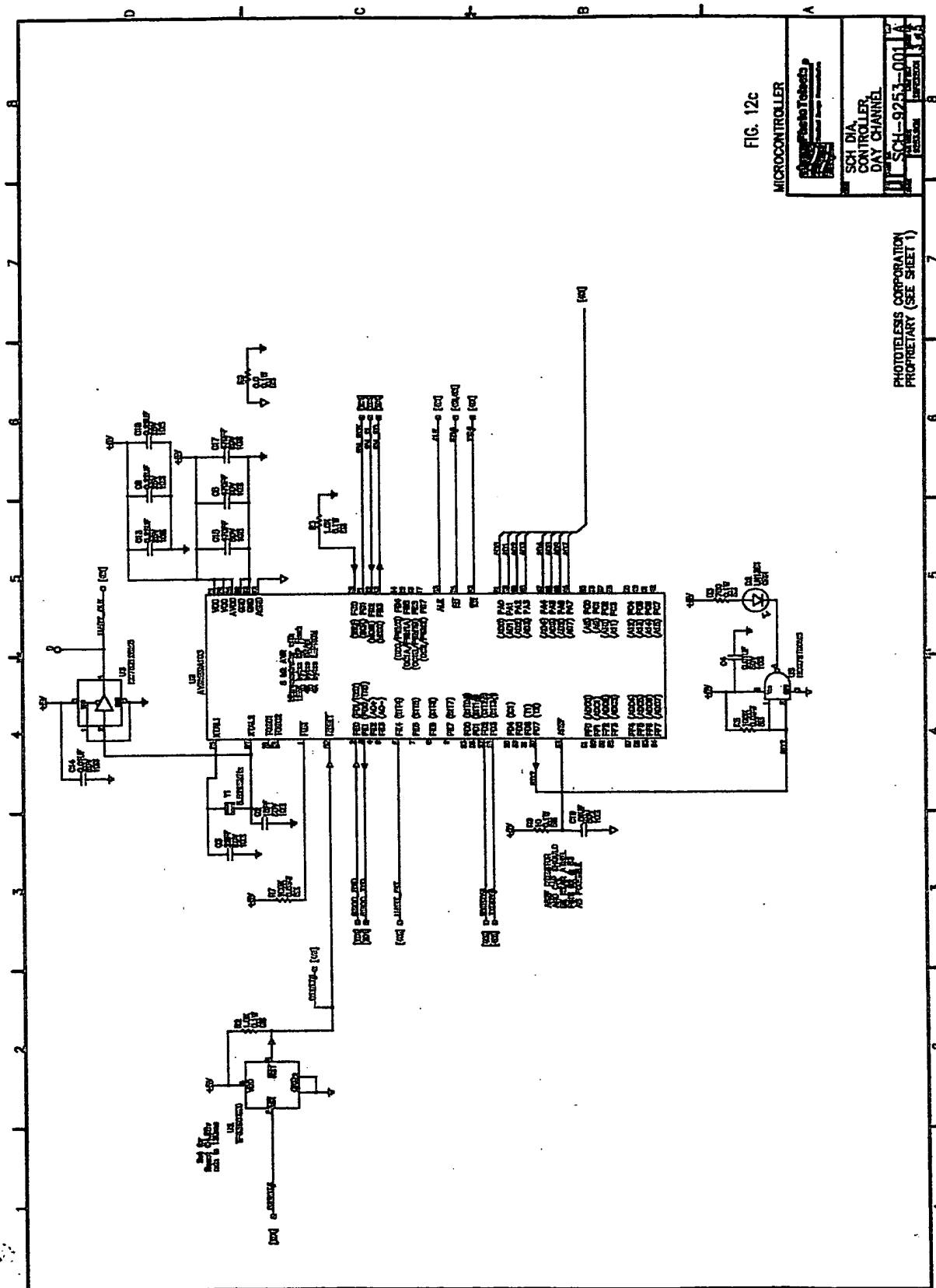


FIG. 12c

MICROCONTROLLER

SCH. DIA.
CONTROLLER
DAY CHANNEL

SCH-9253-001

PHOTOLESS CORPORATION
PROPRIETARY (SEE SHEET 1)

1940

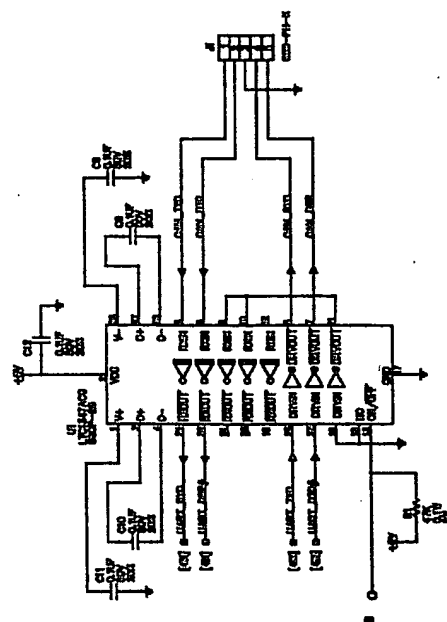


FIG. 12d

RS-232 INTERFACE

Trans-Action Tobacco

SCH DIA,
CONTROLLER,
DAY CHANNEL

SCH-9253-001

PHOTO-TELETYPE CORPORATION
 PROPRIETARY (SEE SHEET 1)